2003 4th GRADE
MAIN RANGEFINDER
4

**Your teacher will read the entire test to you before you begin.
Do not use a calculator on this assessment.**

1. Maria and her family went camping and saw many birds. They saw 102 geese, 34 crows, 45 ducks, 16 robins and 23 bluebirds.

a. How many total birds did they see? *Show or explain how you found your answer.*

Higher-order thinking skills

102 geese
34 crow
45 ducks
16 robins
+ 23 bluebirds
_____
220

220 birds all together

b. There are five people in Maria's family. They have 20 slices of bread altogether. How many slices of bread will each person have to feed the birds? *Show or explain how you found your answer.*

4
520 people bread   or
20 ÷ 5 = 4

Everyone gets 4 slices of bread.

c. Last year they saw twice as many crows as this year. How many crows did they see last year? *Show or explain how you found your answer.*

34 crows
+ 34
_____
68

or

34 crows
x 2
_____
68

They saw 68 crows last year.

Solutions are reasonable and well-defended

d. How many more geese did they see than ducks? *Show or explain how you found your answer.*

102 geese
_45 ducks
_____
57

check
45
+57
____
102

They saw 57 more geese than ducks

Advanced application of basic skills

Read problems 2, 3, 4, and 5 on this and the next two pages. Select three problems to answer. Answer ALL of the parts of the three problems you select to answer. Cross out the one problem that you do not choose to answer.

2. Mrs. Smith's class asked each teacher to name their favorite fruit. Their choices are listed below.

Teacher	Favorite Fruit	Teacher	Favorite Fruit
Mrs. Davis	Apples	Mrs. Baker	Apples
Mr. White	Grapes	Ms. Cole	Oranges
Mrs. Smith	Apples	Mr. Lopez	Pears
Ms. Jones	Oranges	Mrs. Green	Grapes
Miss Lowe	Bananas	Ms. Black	Bananas
Mrs. Miller	Grapes	Mr. Garcia	Oranges
Mr. Hill	Bananas	Mrs. Moss	Grapes
Mr. Jay	Grapes	Mr. Johns	Grapes
Mr. Cook	Bananas	Miss Jewel	Apples

a. Use tally marks to show the fruit choices.

Communicates effectively

apples |||| |||| grapes | ||| Oranges | ||| Bananas | pears |

b. Make a graph to show the number of teachers who chose each fruit. **Label** the graph.

Kinds of Fruit Teachers Like
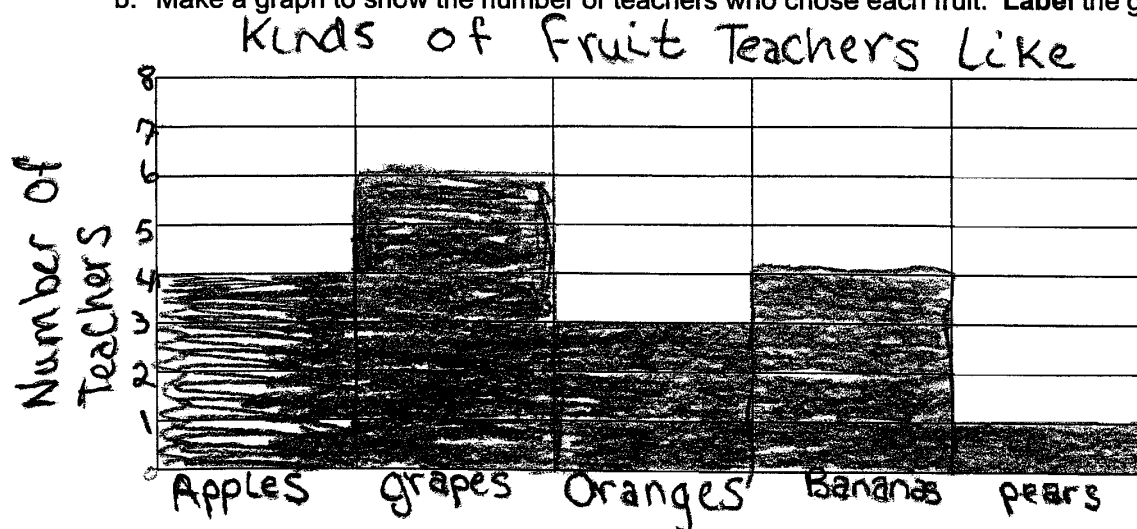
3. White Pine School starts at 8:30 AM.
Morning recess begins at 10:00 AM.
Lunch begins at 11:50 AM and lasts 40 minutes.
Afternoon recess begins at 1:45 PM.
School is dismissed at 3:00 PM.
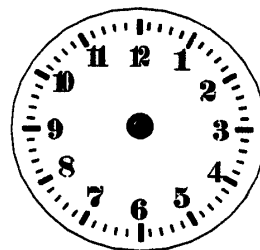
a. How long is it from the start of the school day to the beginning of morning recess? *Show or explain how you found your answer.*

b. What time does class begin after lunch? *Show or explain how you found your answer.*

c. Clark plays soccer for an hour after school. It takes him 25 minutes to walk home. What time will he get home if he leaves school right after playing soccer? *Show or explain how you found your answer.*

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4. Jill's dad decided to make a garden with 4 sides. He made the garden 12 feet long and 10 feet wide.

a. Draw a picture of the garden's **shape.** **Label** the length of each of the 4 sides **on your picture.**

12 ft.
10 ft.
10 ft.
12 ft.
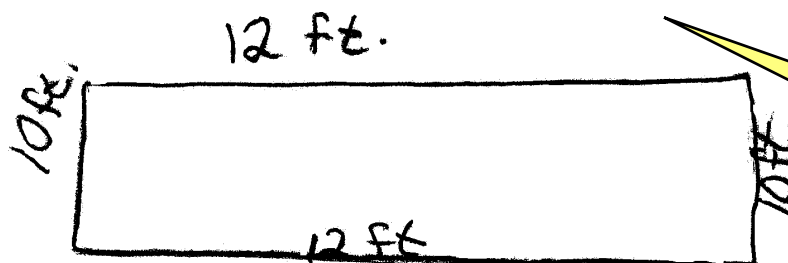
Completes the processes appropriately

b. If Jill's dad wanted to put a fence around the garden, how many feet of fence would he need? *Show or explain how you found your answer.*

```
 12 ft.
 12 ft.
 10 ft.
+10 ft.
------
 44 ft.
```

He'll need to get 44 ft. of fence

5.   Bob went shopping and bought these items:

Paper $2.75
Glue $1.25
Crayons $1.50
Pencils . . . .   ?

a. How much did Bob spend on the first three items? *Show or explain how you found your answer.*

$2.75 paper
$1.25 glue
$1.50 crayons
―――――――
$5.50

Bob spent $5.50 on the first 3 items.

b. Bob spent a total of $6.85 for the **four** items. Figure out the price of the pencils. Write a **number sentence** that shows how to solve the problem.

$6.85 spent or on 3 items
$5.50
―――――――
1.35

$6.85 − $5.50 = $1.35

Check − $5.50 $6.85
          $1.35

Advanced understanding of the problem/situation presented

c. Bob paid for his supplies with a $10.00 bill. How much change did he get back? *Show or explain how you found your answer.*

$10.00
$6.85 4 items
―――――――
$3.15

Bob get $3.15 for his Charge.

Appropriate processes accurately completed